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- (71) Applicant (*for all designated States except US*): **KARO BIO AB** [SE/SE]; Novum, S-141 57 Huddinge (SE).
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(54) Title: CRYSTALLINE LIVER X RECEPTOR BETA PROTEIN

(57) Abstract: The present invention is in the fields of biotechnology, protein purification and crystallization, x-ray diffraction analysis, three-dimensional computer molecular modelling and rational drug design. The invention is directed to the Liver X receptor and ligands for this receptor, and in particular to crystalline Liver X receptor beta (LXR $\beta$ ) and to methods of identifying ligands utilizing LXR $\beta$ , as well as to compounds, compositions and methods for selecting, making, and using therapeutic or diagnostic agents having LXR $\beta$  modulating or binding activity.

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/06412

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07K14/72 G06T17/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K G06T G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

BIOSIS, EP0-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	FARNEGARDH MATHIAS ET AL: "The three-dimensional structure of the liver X receptor beta reveals a flexible ligand-binding pocket that can accommodate fundamentally different ligands." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 278, no. 40, 3 October 2003 (2003-10-03), pages 38821-38828, XP002289053 ISSN: 0021-9258 the whole document --- -/--	1-39

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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E	<p>US 2004/018560 A1 (MOORE LINDA ET AL) 29 January 2004 (2004-01-29) the whole document</p>	1-39
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International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Information on patent family members

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